

BCLDP



CEMP

The Battelle Columbus Laboratories Decommissioning Project

Columbus Environmental Management Project

Geoprobe®

Savings = \$300,000

Problem/Need

The Battelle Columbus Laboratories Decommissioning Project (BCLDP) must monitor the soil and groundwater at a Battelle site near West Jefferson, Ohio, to assure that no contamination has resulted from decontamination activities. Traditional drilling methods for collecting subsurface samples are slow and expensive.



Technology Description

Geoprobe® soil probing equipment can be used to obtain continuous soil cores, discrete soil samples, or groundwater samples. Geoprobe® soil probing equipment is hydraulically powered, either from a vehicle or an auxiliary engine. The equipment uses static force and the dynamic percussion force of a soil probing hammer to advance small diameter sampling tools. The Geoprobe® produces no cuttings in the sampling process. Geoprobe® equipment can drill through surface pavements 12 inches or more in thickness.

Benefits

Probing, mobilization, and sampling are fast with the Geoprobe®, and surface and subsurface disturbance is minimal. The Geoprobe® equipment is more economical to operate than rotary drilling machines, and the level of effort and labor required for Geoprobe® operation is much less than for conventional drilling. Using the Geoprobe® will save BCLDP approximately \$300,000.

